Message

From: Lindstrom, Andrew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=04BF7CF26AA44CE29763FBC1C1B2338E-LINDSTROM, ANDREW]
Sent: 8/29/2019 10:29:44 AM
To: Wang Zhanyun (IfU, ESD) [zhanyun.wang@ifu.baug.ethz.ch]; Strynar, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5a9910d5b38e471497bd875fd329a20a-Strynar, Mark]
CC: Washington, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fdc3e8ce9f1d45c4894881ff420ca104-Washington, John]; Post, Gloria [Gloria.Post@dep.nj.gov]; McCord, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=McCord, James]; Goodrow, Sandra [Sandra.Goodrow@dep.nj.gov]; Bergman, Erica [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user69ab393b]
Subject: RE: Information from Zhanyun Wang about Solvay replacement compounds

All,

The part of the ECHA dossier that deals with biodegradability indicates no degradation in the one standard test that was completed :

https://echa.europa.eu/registration-dossier/-/registered-dossier/5331/5/3/2

The test item cC6O4 was investigated for its ready biodegradability in a "28-Day DOC Die-Away Test" according to the Commission Regulation (EC) No 440/2008, C.4-A and the OECD Guideline for Testing of Chemicals, No. 301 A (1992). In the test flasks, containing the test item cC6O4 ammonium salt and activated sludge (inoculum), the mean concentrations of dissolved organic carbon (DOC) were not significantly different from the initial mean DOC concentration measured on Day 0. The test was valid as indicated by the performance of the procedure controls and toxicity controls. Therefore, cC6O4 ammonium salt was not biodegradable under the test conditions.

Considering the above, the same conclusion can be applied to F-Diox acid.

This conclusion is consistent with the data published in literature about biodegradability of fluorinated compounds.

PHYSICO-CHEMICAL PROPERTIES
- Melting point: 64.6 °C
- Boiling point: > 138 °C (the substance decomposes before boiling)
- Vapour pressure: 0.00000075 hPa at 25 °C
- Henry's law constant (for volatic substances):not applicable
- Water solubility (under test conditions): higly soluble (>= 667 g/L at 21.7 °C)
- log Pow: -0.38 at 22 °C

From: Wang Zhanyun (IfU, ESD) <zhanyun.wang@ifu.baug.ethz.ch>
Sent: Wednesday, August 28, 2019 12:33 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Cc: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Washington, John <Washington.John@epa.gov>; Post, Gloria <Gloria.Post@dep.nj.gov>; McCord, James <mccord.james@epa.gov>; Goodrow, Sandra <Sandra.Goodrow@dep.nj.gov>; Bergman, Erica <erica.bergman@dep.nj.gov>
Subject: Re: Information from Zhanyun Wang about Solvay replacement compounds

Thanks, Mark. I know the lady who measured the substance in the river Po. Should it be helpful, I can put you two in touch, and I think she will be happy to share information. Just let me know. Thanks, and have a good day.

Sent from my iPhone

On 28 Aug 2019, at 15:42, Strynar, Mark <Strynar.Mark@epa.gov> wrote:

> All,
>
> Referring back to Gloria and Zhanyun's exchange back in December of 2018.
>
> In this article from yesterday I found a link to a "New type of PFAS"
> https://www.chemistryworld.com/features/a-persistent-perfluorinated-problem/3010817.article
>
> This info took me to the new chemical found in the Po River called C604 (may need to translate from Italian to English) from a Miteni chemical plant
> https://www.regione.veneto.it/web/guest/comunicati-stampa/dettaglio-comunicati?_spp_detailId=3301352
>
> That chemical called C604 is registered under ECHA as this https://echa.europa.eu/registration-dossier/-/registered-dossier/5331/11/?documentUUID=e5b85b07-4da6-4307-ac5b-78c4d9483f98
>
> <image002.png>
>
> I will be checking in the NJ water samples we have analyzed to see if we see any indication of the presence of this PPA Solvay may be using.
>
> Mark

From: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Sent: Wednesday, August 28, 2019 8:51 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: FW: Information from Zhanyun Wang about Solvay replacement compounds

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From: Post, Gloria <Gloria.Post@dep.nj.gov>
Sent: Wednesday, December 5, 2018 5:26 PM
To: Washington, John <Washington.John@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>
Cc: Bergman, Erica <erica.bergman@dep.nj.gov>; Goodrow, Sandra <Sandra.Goodrow@dep.nj.gov>; Maybury, Steve <Steve.Maybury@dep.nj.gov>
Subject: Information from Zhanyun Wang about Solvay replacement compounds

John, Mark, and Andy,

Ex. 5 Deliberative Process (DP)

I hope that this information is helpful.

Thanks again for all of your work on the New Jersey project!

Gloria

From: Wang Zhanyun (IfU, ESD) <zhanyun.wang@ifu.baug.ethz.ch>
Sent: Wednesday, December 05, 2018 8:57 AM
To: Post, Gloria <Gloria.Post@dep.nj.gov>
Subject: [EXTERNAL] Re: Question about product shown in Zhang et al. (2013)

Dear Gloria,

Ex. 5 Deliberative Process (DP)

Best regards,
Zhanyun

On 5 Dec 2018, at 14:23, Post, Gloria <Gloria.Post@dep.nj.gov> wrote:

Dear Zhanyun,

Thank you so much for your very helpful and quick response to my question.

Ex. 5 Deliberative Process (DP)

Any information that you have about these questions would be very much appreciated.

Best regards,
Gloria

COPIED FROM SUPPLEMENTARY INFORMATION IN PREVEDOUROS ET AL. (2006):

<pastedImage.png>

<pastedImage.png>

From: Wang Zhanyun (IfU, ESD) <zhanyun.wang@ifu.baug.ethz.ch>
Sent: Wednesday, December 5, 2018 4:55 AM
To: Post, Gloria
Subject: [EXTERNAL] Re: Question about product shown in Zhang et al. (2013)

Dear Gloria,

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Hope this helps. Should you have any other questions, please do not hesitate to let me know. Have a good day!

Best regards,
Zhanyun

On 4 Dec 2018, at 22:44, Post, Gloria <Gloria.Post@dep.nj.gov> wrote:

Dear Zhanyun,

Ex. 5 Deliberative Process (DP)

Best regards,
Gloria

Gloria B. Post, Ph.D., DABT
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<Wang et al 2013 figure 1.pdf>

<solvay 1190931-41-9.sk2>